FORM MR-RC
Revised June 10, 1996
RECLAMATION CONTRACT

File Number	M/001/039	
Effective D	ate	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION of OIL, GAS and MINING

1594 West North Temple Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801 (801) 538-5291 Fax: (801) 359-3940

RECLAMATION CONTRACT

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For the purpose of this RECLAMATION CONTRACT the terms beloware defined

as follows: "NOTICE OF INTENTION" (NOI): (File No.) M/001/039 (Mineral Mined) Copper "MINE LOCATION": (Name of Mine) OK Mine (Description) 7 miles northwest of Milford, Utah *Phase 1 - 127.6 Acres "DISTURBED AREA": Phase 2 - 58.2 Acres 275.1 Total (Disturbed Acres) Phase 3 - 89.3 Acres (Legal Description) (refer to Attachment "A")

"OPERATOR":

(Company or Name)

(Address)

Centurion Mines Comporation

331 South Rio Grande Street, Suite
Salt Lake City, Utah 84101

(Phone) (801) 534–1120

^{*} Bonded Acreage

"OPERAT	OR'S REGISTERED AGENT":	
	(Name)	Rick Havenstrite
	(Address)	2113 N. Cottontail
		Cedar City, Utah 84720
	(D)	
	(Phone)	(801) 867-0557
"ODED A T	ODIC OFFICERIOUS	
UPENAT	OR'S OFFICER(S)":	Spenst Hansen - President
		Rick Havenstrite - V.P. Operations
"SURETY	n.	
	(Form of Surety - Attachment B)	<u>Certificate</u> of Deposit
	, , , , , , , , , , , , , , , , , , , ,	certificate of Deposit
"SURETY	COMPANY":	
	(Name, Policy or Acct. No.)	_First Security Bank of Utah
"SURETY	AMOUNT":	
**	(Escalated Dollars)	\$550,000
"ECCALA:	TION YEAR":	
LOCALA	HON TEAR :	2002
"STATE":		State of Utah
"DIVISION	!":	Division of Oil, Gas and Mining
"BOARD":	the state of the s	Board of Oil, Gas and Mining
		Board of On, Gas and Willing
ATTACHN	MENTS:	
	A "DISTURBED AREA":	
	B "SURETY":	
This	Reclamation Contract (hereinafter	referred to as "Contract") is entered
into betwe	een <u>Centurion Mines Corporat:</u>	ion the "Operator" and
the Utah S	State Board of Oil, Gas and Mining (("Board").
VVH.	EREAS, Operator desires to conduc	t mining operations under Notice of
State Divid	NOI) File No. M/001/039 W	hich has been approved by the Utah
Reclamatic	sion of Oil, Gas and Mining "Divisio on Act, Sections 40-8-1 et seq., Ut	ah Codo Appoteted (1952)
amended)	(hereinafter referred to as "Act") ar	an Code Annotated, (1953, as
	more marter referred to as Act / al	in implementing fules, and

WHEREAS, Operator is obligated to reclaim that area described as the Disturbed Area as set forth and in accordance with Operator's approved Reclamation Plan, and Operator is obligated to provide surety in form and amount approved by the Board, to assure reclamation of the Disturbed Area.

 $\mathcal{X}_{i}^{(1)}(\mathbb{R}^{3})$

NOW, THEREFORE, the Board and the Operator agree as follows:

1.	Operator agrees to conduct reclamation	n of the Disturbed Area in
	accordance with the Act and implemen	iting regulations, the original
	Notice of Intention dated8/20/96	, and the origina
	Reclamation Plan dated8/20/96	. The Notice of
	Intention as amended, and the Reclama	ation Plan, as amended, are
	incorporated by this reference and mad	e a part hereof.

- 2. Concurrent with the execution hereof, Operator has provided surety to assure that reclamation is conducted, in form and amount acceptable to the Board. Such surety as evidenced by the Surety Contract is in the form of the surety attached hereto as Attachment B and made a part hereof. The Surety Contract shall remain in full force and effect according to its terms unless modified by the Board in writing. If the Surety Contract expressly provides for cancellation, then, within 60 days following the Division's receipt of notice that the Surety Company intends to cancel the Surety Contract, the Operator shall provide a replacement Surety Contract in a form and amount reasonably acceptable to the Board. If the Operator fails to provide an acceptable replacement Surety Contract, the Division may order the Operator to cease further mining activities and to begin immediate reclamation of the Disturbed Area.
- 3. Operator agrees to pay legally determined public liability and property damage claims resulting from mining to the extent provided in Section 40-8-7(1)(e) of the Act.
- 4. Operator agrees to perform all duties and fulfill all reclamation requirements applicable to the mine as required by the Act and implementing rules, the Notice of Intention, as amended and the Reclamation Plan, as amended.
- 5. The Operator's liability under this Contract shall continue in full force and effect until the Division certifies that the Operator has reclaimed the Disturbed Area in accordance with the Act and implementing rules, the Notice of Intention, as amended and the Reclamation Plan, as amended.
- 6. If reclamation of discrete sections of the Disturbed Area is completed to the satisfaction of the Division, and the Division finds that such sections are severable from the remainder of the Disturbed Area, Operator may request the Division to certify that Operator has reclaimed such discrete sections of the Disturbed Area in accordance

with the Act and Implementing rules, the Notice of Intention, as amended and the Reclamation Plan, as amended. If the Division makes such certification, Operator may make request to the (Board) that the aggregate face amount of the Surety Contract provided pursuant to paragraph 2 be reduced to an amount necessary to provide for completion of the remaining reclamation. The (Board) shall hear Operator's request for such reduction in accordance with the Board's Procedural Rules concerning requests for Agency Action.

- 7. Operator agrees to indemnify and hold harmless the State, Board and the Division from any claim, demand, liability, cost, charge, suit, or obligation of whatsoever nature arising from the failure of Operator or Operator's agents and employees, or contractors to comply with this Contract.
- 8. Operator may, at any time, submit a request to the Board to substitute surety. The Board, in its sole judgment and discretion, may approve such substitution if the substitute surety meets the requirements of the Act and the implementing rules.
- 9. This Contract shall be governed and construed in accordance with the laws of the State of Utah.
- 10. If Operator shall default in the performance of its obligations hereunder, Operator agrees to pay all costs and expenses, including reasonable attorney's fees and costs incurred by the Division and/or the Board in the enforcement of this Contract.
- 11. Any breach that the Division finds to be material of the provisions of this Contract by Operator may, at the discretion of the Division, result in an order to cease mining operations. After opportunity for notice and hearing, the Board of Oil, Gas and Mining may enter an order to revoke the Notice of Intention, order reclamation, or order forfeiture of the Surety Contract, or take such other action as is authorized by law.
- 12. In the event of forfeiture of the Surety Contract, Operator shall be liable for any additional costs in excess of the surety amount which are required to comply with this Contract. Any excess monies resulting from forfeiture of the Surety Contract, upon completion of reclamation and compliance with this Contract, shall be returned to the rightful claimant.
- 13. This Contract including the Notice of Intention, as amended and the Reclamation Plan, as amended, represents the entire agreement of the

parties involved, and any modification must be approved in writing by the parties involved.

14. Each signatory below represents that he/she is authorized to execute this Contract on behalf of the named party.

Centurion Mines Corporation Operator Name		
By: Spenst Hansen - President Authorized Officer (Typed or Printed)		
/ pen Hans	April 8, 1997	
Authorized Officer's Signature	Date	
SO AGREED this		
SO AGREED this day of		, 19
AND APPROVED AS TO FORM AND AMO	UNT OF SURETY:	
BY		
Dave D. Lauriski, Chairman Utah State Board of Oil, Gas and Mi	ning	

DIVISION OF OIL, GAS AND MINING:			
Ву			
By	Date		
		•	
STATE OF)		
COUNTY OF) ss:)		•
On the day of		, 19	, personally
appeared before meduly sworn did say that he/she, the said	1		_, who being
s the Director of the Division of Oil, Ga Resources, State of Utah, and he/she do executed the foregoing document by au Utah.	s and Mining, Double all a surface and Mining, Double and Mining,	ed to me tha	t he/she
			44., 1
•	Notary Pub Residing at		eller any
	J		e de la companya de
My Commission Expires:	· 		

Centurion Mines Corporation Operator Name	-
By Spenst Hansen - President Corporate Officer - Position Signature	April 8, 1997 Date
STATE OF <u>Utah</u>) ss: COUNTY OF <u>Salt Lake</u>)	
On the <u>8th</u> day of <u>April</u> appeared before me <u>Spenst Hansen</u> me duly sworn did say that he/show, the said	who being by Spenst Hansen
is the <u>President</u> of and duly acknowledged that said instrument by authority of its bylaws or a resolution of Spenst Hansen company executed the same.	t was signed on behalf of said company
NOTARY PUBLIC RANDY W. SUTHERLAND 5742 S. 590 W., Murray, UT 84123 My Commission Expires Dec. 13, 1999 STATE OF UTAH	Notary Rublic Residing at: Murray - Uth
DECEMBER 13.1999	

Page 7 of 8 Revised June 10, 1996 Form MR-RC

OPERATOR:

ATTACHMENT "A"

<u>Centurion Mines Corporation</u> Operator	OK Mine Mine Name	
M/001/039 Permit Number	Beaver	County, Utah

The legal description of lands to be disturbed is:

Sections 5, 6 and 7, T27S, R11W, of the Salt Lake Baseline and Meridian. The project is 7 miles northwest of Milford, Utah.



Michael O. Leavitt Governor Ted Stewart Executive Director James W. Carter Division Director

1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax) 801-538-7223 (TDD)

April 8, 1997

First Security Bank of Utah 405 South Main Salt Lake City, Utah 84111

Attention: Allison Knudsen

Re: Certifica

Certificate of Deposit for OK Mine, Centurion Mines Corporation, M/001/039, Beaver

County, Utah

This is in regards to regulatory requirements of the mining statute and rules of the State of Utah, Division of Oil, Gas and Mining, governing the operations and reclamation of the OK Mine, Permit Number M/001/039, operated by Centurion Mines Corporation.

A Certificate of Deposit will be issued by First Security Bank of Utah for \$550,000 and be automatically renewable upon expiration. The Certificate should be made out in the name of the State of Utah, Division of Oil, Gas and Mining. The interest earned by the Certificate of Deposit for the first three months will be added back on to the Certificate of Deposit. After that, the interest earned will be dispersed quarterly and deposited into Centurion Mines Corporation's account. If the Certificate is redeemed before the maturity date and the penalty reduces the face value of \$550,000, the State of Utah, Division of Oil, Gas and Mining will go to Centurion Mines Corporation for reimbursement of that loss. If redeemed after the maturity date, then \$550,000 will go to the State of Utah, Division of Oil, Gas and Mining and the remaining balance will go to Centurion Mines Corporation's account. The Certificate of Deposit can only be redeemed by the State of Utah, Division of Oil, Gas and Mining.

If the statute or rules of the State of Utah, Division of Oil, Gas and Mining are violated with respect to the operation or reclamation of the OK Mine covered by this surety, the State of Utah, Division of Oil, Gas and Mining has the authority to call the Certificate on demand, for the full amount of \$550,000. Any loss due to an early redemption penalty will be the responsibility of Centurion Mines Corporation and will not be the expense or responsibility of the State of Utah.

The Division Director's signature, James W. Carter (or the appropriate Division Director at that time), will be required to call the Certificate or release said funds back to Centurion Mines Corporation.

First Security Bank of Utah will not be h These rules pertain to the Certificate of Deposit	neld liable for any dispute between the parties. Number:
Agreed upon by:	
	hrend Hans
James W. Carter, Director Division of Oil, Gas and Mining	Sponst Hansen, President Centurion Mines Corporation
Tax I.D. Number: _	Tax I.D. Number:



Michael O. Leavitt Governor Ted Stewart Executive Director James W. Carter Division Director 1594 West North Temple, Suite 1210 Box 145801 Salt Lake City, Utah 84114-5801 801-538-5340 801-359-3940 (Fax)

801-538-7223 (TDD)

April 22, 1997

TO:

Board of Oil, Gas and Mining

THRU:

Mary Ann Wright, Associate Director

THRU:

D. Wayne Hedberg, Permit Supervisor

FROM:

Tom Munson, Senior Reclamation Specialist / 1

RE:

Updated Information, Centurion Mines Corporation, OK Mine, M/001/039, Beaver

County, Utah

It has come to our attention that the legal description as found in the Reclamation Contract and the executive summary are not the same. We contacted Centurion Mines Corporation in order to clarify this discrepancy and obtain the corrected legal description. We asked Centurion Mines to address the legal description for each phase of their mining operation.

Enclosed you will find: 1) an updated executive summary; 2) updated page 8 of the Reclamation Contract which shows the legal description for each phase of the project; and 3) a map showing the three phases of their operation.

As stated in our previous memo, Centurion Mines only wishes to post reclamation surety for Phase I of their project at this time, although the Division has approved of the mining and reclamation permit for the entire project. At such time as Phase II and Phase III are initiated, Centurion Mines will again have to come before the Board to seek approval of the form and amount of additional surety.

Enclosure: Updated Executive Summary, page 8 of the MR-RC, Map o:\board\M001039.mem



EXECUTIVE SUMMARY

Prepared January 8, 1997 Updated April 22, 1997

Mine Name: OK Mine	I.D. No.: <u>M/001/039</u>
Operator: Centurion Mines Corporation	County: Beaver
331 South Rio Grande Street - Suite 201	New/Existing: New
Salt Lake City, Utah 84110	Mineral Ownership: Fee
	Surface Ownership: Fee
Telephone: (801) 534-1120	Lease No.(s): N/A
Contact Person: Rick Havenstrite	Permit Term: <u>Life of Mine</u>
Life of Mine: 10 years +	
Legal Description: <i>Phase I</i> : NE1/4 and SE1/4 of the NY 7; the SE1/4 and the NE1/4 of the SW1/4; the NW1/4 and SLB&M. Beaver County, Utah	and the SW1/4 of the SE1/4 of Section 6, T27S, R11W,
Phase II: NW1/4 and SW1/4 of the SE1/4 of Section 6; SLB&M, Beaver County, Utah	the NW1/4 of the NE1/4 of Section 7, T27S, R11W.
Phase III: NE1/4 and SE1/4 of the SE1/4 of Section 6; 1 SW1/4 of Section 5; the NW1/4 of the NW1/4 of Section T27S, R11W, SLB&M, Beaver County, Utah	
Mineral(s) to be Mined: Copper produced from the fo tenorite	llowing oxide copper minerals - azurite, malachite and
Acres to be Disturbed: 275 acres for Phases I, II & II	I, (Phase I = 128 acres)
Present Land Use: Hunting, grazing, rock collecting,	off-road vehicles
Postmining Land Use: Grazing and recreation	
Variances from Reclamation Standards (Rule R647)	
impoundments; 111-12-topsoil redistribution (pit wall	
(1) pit highwalls will be allowed to remain at angles stee flattening the pit walls at the end of mining would have t	he effect of making the remaining ore uneconomic for
future mining. The current pit walls are stable at approx	imately 60 degrees and have been for 25 years.
2) dams & impoundments: A small impoundment of le	ess than several hundred square feet will be left based
on the following facts. It will have a reduced drainage a	rea following reclamation. The embankment will be
stabilized with coarse rock to prevent failure. It will also	o provide some riparian habitat and limited water for
wildlife following reclamation. It is not considered large	e enough to constitute a hazard and will remain an
overall benefit to an arid environment.	
3) topsoil redistribution and revegetation: It is not pra	
will be left at approximately 55 degrees. The walls will	
pit, it is highly unlikely that vegetation can be established	d on these walls.

Page 2 Executive Summary M/001/039

Soils and Geology

Soil Description: Soils are all derived from decomposed granite with varied amounts of silt, sand and rocks. Soil depths in the mine and dump areas are typically less than 5 feet and are underlain by bedrock. In the area of the pad, soils contain a higher degree of silt and sand and the depth to bedrock is 5 to 20 feet typically.
of the pad, sons contain a higher degree of site and said and the depth to bedrock is 5 to 20 reet typically.
pH: 8.1 - 8.3
Special Handling Problems: None
Geology Description: The project is located in low foothills and the top of a gently southernly sloping alluvia fan. The entire area is underlain by a massive igneous (granite) intrusion. A nearly vertical fault zone cut the granitic formation and this fault was later mineralized with copper minerals such as azurite, malachite, and tenorite. The relatively homogenous granitic rock formation extends at least 3 miles in every direction.
Hydrology
Ground Water Description: There have been hundreds of holes drilled in the vicinity of the project. The holes drilled in the vicinity of the pit, 400 feet below the bottom of the pit, were dry. Other holes drilled within the vicinity of the project encountered minor amounts of brackish water. Only several holes encountered any significant water and these holes were located next to one of the two main drainages coming from the hills above the project. Hole MD-1 was drilled in the vicinity of the pad to a depth of 705 feet and encountered negligible water. Hole MW-1, southwest side of the pad, encountered good water and is down gradient of the pad and is to remain a monitoring well.
Surface Water Description: There are no streams or springs within 5 miles of the operation. A major wash exists to the west of the project which collects surface runoff from a large area to the west and north of the project. This wash is ephemeral and will not be disturbed. It and only experiences flows during extremely intense storms.
Water Monitoring Plan: Groundwater will be monitored for 8 consecutive months prior to the commencement of operation and semi-annually thereafter. Two current groundwater monitoring wells have been located immediately down gradient (south) of the proposed heap leach pad and processing ponds area.
Ecology
Vegetation Type(s); Dominant Species: Big sagebrush, rabbitbrush, squirreltail grass, indian ricegrass
Percent Surrounding Vegetative Cover: 21%
Wildlife Concerns: Only concern are the antelope. Centurion intends to construct a six foot high chain link fence around the heap leach pad and processing plant area. In addition, a water trough will be placed and maintained outside the fenced area.

Page 3 Executive Summary M/001/039

Surface Facilities: <u>Heap leach pad</u>, SX/EW (solvent extraction/electrowinning) process plant, office building, mine shop.

Mining and Reclamation Plan Summary:

During Operations: The mining operation will consist of three phases as follows: Phase Iconstruction of a fully lined (57 acre) heap leach pad, a (2 acre) solvent extraction/electro-winning(SX/EW) processing plant, and the re-mining and leaching of 2 million tons of (previously mined) stockpiled copper ore surrounding the old O.K. Pit. The SX/EW process produces a copper sulfate electrolyte which is pumped into electro-winning cells where 99.998% pure copper is electroplated onto stainless steel sheets. The copper ore is leached with a dilute sulfuric acid solution. Phase II - strip mining new ore by widening and deepening the existing O.K. pit. Overburden to ore stripping ratio is approximately 1:1. Run of mine ore will be stacked on the heap and leached. Phase III - development of the new eastern extension of the ore zone (Mary I pit). This pit will merge into the eastern side of the O.K. pit. All environmental permits will be in place prior to initiation of operations. Reclamation bonding of this operation will occur in phases. Approval of each phase will remain contingent on adequate permitting and bonding for each phase. All process water will be contained in a fully engineered facility and all environmental controls will be in place prior to initiating leaching operations. Approximately 10 million tons of ore and 10 million tons of waste material will be produced. Variances were granted to topsoiling and reseeding requirements for inaccessible and unsafe pit benches and highwalls. Variances were granted to allow pit highwalls to remain at angles steeper than 45 degrees, and to allow the pits to impound water following mining.

After Operations: The heap will be rinsed with fresh water rinsate to comply with final effluent standards set by the State Division of Water Quality. Solution in ponds will be allowed to evaporate. Remaining sludge will be tested for metals and subjected to meteoric mobility analyses. All remaining hazardous material from these ponds will be disposed of at an appropriately licensed facility. Pond liners will be folded or dozed into the pond bottoms and covered with 5-10 feet of fill. All dump slopes and heap leach pad slopes will be graded to 3H:1V, and covered with one foot of topsoil and re-vegetated. Monitoring wells will be plugged according to state requirements. A water well will remain to provide a long-term source of water for local wildlife. The processing facilities will be demolished and removed or buried onsite. Exposed concrete foundations will be broken up and buried. The process facilities area will be graded to blend with the adjacent topography and re-vegetated. All non-hazardous or non-toxic materials will be buried. Any remaining hazardous or toxic materials will be disposed of according to federal and state regulations. Approximately one foot of topsoil will be replaced on all disturbed, non-pit areas that originally had topsoil. These areas will be roughened, terraced and reseeded with the approved seedmix to allow postmining use by livestock and wildlife.

Surety

Amount: __\$550,000

Form: Certificate of Deposit - First Security Bank of Utah

Renewable Term: 5 years (2002)

ATTACHMENT "A"

Centurion Mines Corporation	OK Mine	
Operator	Mine Name	
M/001/039	Beaver	County, Utah
Permit Number		, ,

The legal description of lands to be disturbed is:

Phase I: NE1/4 and SE1/4 of the NW1/4; the NW1/4 and SW1/4 of the NE1/4 of Section 7; the SE1/4 and the NE1/4 of the SW1/4; the NW1/4 and the SW1/4 of the SE1/4 of Section 6, T27S, R11W, SLB&M, Beaver County, Utah

Phase II: NW1/4 and SW1/4 of the SE1/4 of Section 6; the NW1/4 of the NE1/4 of Section 7, T27S, R11W, SLB&M, Beaver County, Utah

Phase III: NE1/4 and SE1/4 of the SE1/4 of Section 6; the NW1/4 and SW1/4 of the SW1/4; the SE1/4 of the SW1/4 of Section 5; the NW1/4 of the NW1/4 of Section 8; the NW1/4 and NE1/4 of the NE1/4 of Section 7, T27S, R11W, SLB&M, Beaver County, Utah

